

N, M, M & O Docket No. \_\_\_\_\_

NIKAIDO, MARMELSTEIN, MURRAY & ORAM

## Declaration For U.S. Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled (Insert Title) Oligomeric carrier molecules with defined incorporated marker groups  
and haptens  
the specification of which

(Check one  
of blocks  
1, 2, or 3.  
See note A  
on back of  
this page)

1. ☐ is attached hereto.
2. ☒ was filed on 24. July 1995 as  
International PCT Application Serial No. PCT/EP95/02915  
and was amended on 22. July 1996  
(if applicable)
3. ☐ was filed on \_\_\_\_\_ as  
U.S. Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application for which priority is claimed:

	P 4426276.0	DE	25.07.1994	Priority Claimed
	(Number)	(Country)	(Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	P 4430998.8	DE	31.08.1994	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	(Number)	(Country)	(Day/Month/Year Filed)	
	P 4430973.2	DE	31.08.1994	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	(Number)	(Country)	(Day/Month/Year Filed)	
	P 4439345.8	DE	04.11.1994	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	(Number)	(Country)	(Day/Month/Year Filed)	

(List prior  
foreign  
applications.  
See note B  
on back of  
this page)

☐ See attached list for additional prior foreign applications

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(List Prior U.S. Applications)	(Application Serial Number)	(Filing Date)	(Status) (patented, pending, abandoned)
	(Application Serial Number)	(Filing Date)	(Status) (patented, pending, abandoned)

And I hereby appoint as principal attorneys David T. Nikaido, Reg. No. 22,663; Charles M. Marmelstein, Reg. No. 25,895; George E. Oram, Jr., Reg. No. 27,931; Robert B. Murray, Reg. No. 22,980; Martin S. Postman, Reg. No. 18,570; E. Marcie Emas, Reg. No. 32,131; Michael G. Gilman, Reg. No. 19,114; Douglas H. Goldhush, Reg. No. 33,125; Juan Carlos Marquez, Reg. No. 34,072; Robert L. Waddic, Reg. No. 35,795; Kevin C. Brown, Reg. No. 32,402; Monica F. Chin, Reg. No. 36,105.

Please direct all communications to the following address: NIKAIDO, MARMELSTEIN, MURRAY & ORAM  
Metropolitan Square  
655 Fifteenth Street, N.W., Suite 330 - G Street Lobby  
Washington, D.C. 20005-5701  
(202) 638-5000 Fax: (202) 638-4810

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(See Note D  
on back of  
this page)

Full name of sole or first inventor Hans-Peter JOSEL  
Inventor's signature [Signature] 11/11/96  
Residence Prälattenweg 7, D-82362 Weilheim, Germany  
Citizenship German  
Post Office Address same as above

Full name of second joint inventor, if any Andreas FINKE  
Inventor's signature *Andreas Finke* 11/15/96  
Residence Hochfeldstr. 72, D-82377 Penzberg, Germany Date  
Citizenship German  
Post Office Address same as above

Full name of third joint inventor, if any Rupert HERRMANN  
Inventor's signature *Rupert Herrmann* 15/11/96  
Residence In der Au 23, D-82362 Weilheim, Germany Date  
Citizenship German  
Post Office Address same as above

Full name of fourth joint inventor, if any Eva HÖSS  
Inventor's signature *Eva Höss* 11/11/96  
Residence Am Mühlberg 1A, D-82319 Starnberg, Germany Date  
Citizenship German  
Post Office Address same as above

Full name of fifth joint inventor, if any Andreas MARSCHALL  
Inventor's signature *Andreas Marschall* 11/19/96  
Residence Schollstr. 3, D-69469 Weinheim, Germany Date  
Citizenship German  
Post Office Address same as above

Full name of sixth joint inventor, if any Christoph SEIDEL  
Inventor's signature *Christoph Seidel* 11/11/96  
Residence Ammerstr. 39, D-82362 Weilheim, Germany Date  
Citizenship German  
Post Office Address same as above

Full name of seventh joint inventor, if any \_\_\_\_\_  
Inventor's signature \_\_\_\_\_ Date  
Residence \_\_\_\_\_  
Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Full name of sixth joint inventor, if any \_\_\_\_\_  
Inventor's signature \_\_\_\_\_ Date  
Residence \_\_\_\_\_  
Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

NIKAIDO, MARMELESTEIN, MURRAY & ORAM

Docket No. \_\_\_\_\_

## U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

Boehringer Mannheim GmbH

Sandhofer Str. 112 - 132

D-68305 Mannheim, Germany

[Insert  
ASSIGNEE's  
Name(s)  
Address(es)]

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

Oligomeric carrier molecules with defined incorporated marker  
groups and haptens

[Title of  
Invention]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

[\*If the assignment  
is to be filed  
after the  
filing of the  
application, this  
section must be  
completed]

\*filed on \_\_\_\_\_, Serial No. \_\_\_\_\_

(Nikaido, Marmelstein, Murray & Oram is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)]

Hans-Peter JOSEL  
(SIGNATURE)

Hans-Peter JOSEL  
(TYPE NAME)

11/11/96  
(DATE)

Andreas FINKE  
(SIGNATURE)

Andreas FINKE  
(TYPE NAME)

15.11.96  
(DATE)

Rupert HERRMANN  
(SIGNATURE)

Rupert HERRMANN  
(TYPE NAME)

15/11/96  
(DATE)

Eva HÖSS  
(SIGNATURE)

Eva HÖSS  
(TYPE NAME)

11/11/96  
(DATE)

Andreas MARSCHALL  
(SIGNATURE)

Andreas MARSCHALL  
(TYPE NAME)

13/11/96  
(DATE)

Christoph SEIDEL  
(SIGNATURE)

Christoph SEIDEL  
(TYPE NAME)

11/11/96  
(DATE)



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MAY 02, 1997

PTAS

NIKAIDO, MARMELSTEIN, MURRAY & ORAM LLP  
ATTN: ROBERT B. MURRAY  
METROPOLITAN SQUARE, G STREET LOBBY  
655 FIFTEENTH STREET, N.W., SUITE 330  
WASHINGTON, D.C. 20005-5701



\*100372792A\*

10520 U.S. PTO  
09/801157  
03/07/01

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/24/1997

REEL/FRAME: 8387/0874  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JOSEL, HANS-PETER

DOC DATE: 11/11/1996

ASSIGNOR:

FINKE, ANDREAS

DOC DATE: 11/15/1996

ASSIGNOR:

HERRMANN, RUPERT

DOC DATE: 11/15/1996

ASSIGNOR:

HOSS, EVA

DOC DATE: 11/11/1996

ASSIGNOR:

MARSCHALL, ANDREAS

DOC DATE: 11/19/1996

ASSIGNOR:

SEIDEL, CHRISTOPH

DOC DATE: 11/11/1996

ASSIGNEE:

BOEHRINGER MANNHEIM GMBH  
SANDHOFERSTR. 116  
D-68298 MANNHEIM 31, FED REP GERMANY

8387/0874 PAGE 2

SERIAL NUMBER: 08776190  
PATENT NUMBER:

FILING DATE: 01/24/1997  
ISSUE DATE:

JACQUELINE MOORE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

---

89 Rec'd PCT PTO 24 JAN 1997

08/776190

78/776190

AID

581-46

Form PTO-1095

RE

03-18-1997



100372792

3 ONLY Patents &amp; Trademark Office

/ Docket No. P564-7002  
January 24, 1997To the Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies)

(1) Hans-Peter JOSEL, (2) Andreas FINKE, (3) Rupert HERRMANN,  
(4) Eva HÖSS, (5) Andreas MARSCHALL, (6) Christoph SEIDEL

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: Boehringer Mannheim GmbH

Address: Sandhoferstr. 116, D-68298 Mannheim 31.

Federal Republic of Germany

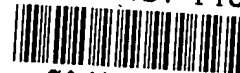
Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_Execution Date: (1) 11/11/96, (2) 11/15/96, (3) 11/15/96,  
(4) 11/11/96, (5) 11/19/96, (6) 11/11/96

59383 U.S. PTO



03/11/97

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: (1) 11/11/96, (2) 11/15/96,  
(3) 11/15/96, (4) 11/11/96, (5) 11/19/96, (6) 11/11/96

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Nikaido, Marmelstein, Murray &amp; Oram LLP

Street Address: Metropolitan Square, 655 Fifteenth Street,

N.W., Suite 330 - G Street Lobby

Washington, D.C. 20005-5701

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41)..... \$ 40.00

☒ Enclosed-Check No.: 12492☐ Authorized to be charged to deposit account

## 8. Deposit account number: 14-1060

(Attach duplicate copy of this page if paying by deposit account)

40E

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert B. Murray

Name of Person Signing  
Reg. No. 22,980

Signature

January 24, 1997  
Date

Total number of pages including cover sheet, attachments, and document: 2

51040 01/28/97 08776190

1550 40.0000



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 27, 1999

PTAS

ROCHE DIAGNOSTICS CORPORATION  
D. MICHAEL YOUNG, BLDG. D.  
9115 HAGUE ROAD  
INDIANAPOLIS, IN 46250



\*101056474A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/27/1999

REEL/FRAME: 009971/0915  
NUMBER OF PAGES: 15

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BOEHRINGER MANNHEIM GMBH

DOC DATE: 01/04/1999

ASSIGNEE:

ROCHE DIAGNOSTICS GMBH  
SANDHOFER STRASSE 116  
D-68305 MANNHEIM, FED REP GERMANY

SERIAL NUMBER: 06145659  
PATENT NUMBER:

FILING DATE: 05/02/1980  
ISSUE DATE:

SERIAL NUMBER: 06328313  
PATENT NUMBER:

FILING DATE: 12/07/1981  
ISSUE DATE:

SERIAL NUMBER: 06380309  
PATENT NUMBER:

FILING DATE: 05/20/1982  
ISSUE DATE:

SERIAL NUMBER: 06619017  
PATENT NUMBER: 4720372

FILING DATE: 06/11/1984  
ISSUE DATE: 01/19/1988

SERIAL NUMBER: 07064104	FILING DATE: 06/19/1987
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07078271	FILING DATE: 07/27/1987
PATENT NUMBER: D311773	ISSUE DATE: 10/30/1990
SERIAL NUMBER: 07094038	FILING DATE: 08/31/1987
PATENT NUMBER: 4754514	ISSUE DATE: 07/05/1988
SERIAL NUMBER: 07137182	FILING DATE: 12/23/1987
PATENT NUMBER: 4834641	ISSUE DATE: 05/30/1989
SERIAL NUMBER: 07150109	FILING DATE: 01/29/1988
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07201523	FILING DATE: 06/02/1988
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07238930	FILING DATE: 08/31/1988
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07257724	FILING DATE: 10/14/1988
PATENT NUMBER: 5016876	ISSUE DATE: 05/21/1991
SERIAL NUMBER: 07293463	FILING DATE: 01/04/1989
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07299594	FILING DATE: 01/23/1989
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07300357	FILING DATE: 01/23/1989
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07376504	FILING DATE: 07/05/1989
PATENT NUMBER: 5858803	ISSUE DATE: 01/12/1999
SERIAL NUMBER: 07380323	FILING DATE: 07/17/1989
PATENT NUMBER: 4980008	ISSUE DATE: 12/25/1990
SERIAL NUMBER: 07435623	FILING DATE: 11/13/1989
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07456789	FILING DATE: 12/27/1989
PATENT NUMBER:	ISSUE DATE:
<hr/>	
SERIAL NUMBER: 07467104	FILING DATE: 01/18/1990
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07487460	FILING DATE: 03/02/1990
PATENT NUMBER: 5115135	ISSUE DATE: 05/19/1992
SERIAL NUMBER: 07492145	FILING DATE: 03/13/1990
PATENT NUMBER:	ISSUE DATE:



SERIAL NUMBER: 07496100	FILING DATE: 03/16/1990
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07497275	FILING DATE: 03/22/1990
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07500596	FILING DATE: 03/22/1990
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07513747	FILING DATE: 04/24/1990
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07523818	FILING DATE: 05/16/1990
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07718798	FILING DATE: 06/21/1991
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07725943	FILING DATE: 06/27/1991
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07743496	FILING DATE: 08/05/1991
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07771097	FILING DATE: 10/04/1991
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07772026	FILING DATE: 10/08/1991
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07782672	FILING DATE: 10/25/1991
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07820701	FILING DATE: 01/10/1992
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07835755	FILING DATE: 02/13/1992
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07873963	FILING DATE: 04/24/1992
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07907733	FILING DATE: 06/22/1992
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07908513	FILING DATE: 06/26/1992
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07914285	FILING DATE: 07/15/1992
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07927871	FILING DATE: 08/10/1992
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 07930445	FILING DATE: 08/19/1992
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07977398	FILING DATE: 03/11/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07988945	FILING DATE: 03/10/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08006194	FILING DATE: 01/19/1993
PATENT NUMBER: 5827477	ISSUE DATE: 10/27/1998
SERIAL NUMBER: 08007549	FILING DATE: 01/22/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08009423	FILING DATE: 01/27/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08013823	FILING DATE: 02/01/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08014113	FILING DATE: 03/29/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08018355	FILING DATE: 02/16/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08028650	FILING DATE: 03/08/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08046858	FILING DATE: 04/15/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08047997	FILING DATE: 04/19/1993
PATENT NUMBER: 5295021	ISSUE DATE: 03/15/1994
SERIAL NUMBER: 08062234	FILING DATE: 05/17/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08071593	FILING DATE: 06/03/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08073985	FILING DATE: 06/08/1993
PATENT NUMBER:	ISSUE DATE:
<hr/>	
SERIAL NUMBER: 08095478	FILING DATE: 07/23/1993
PATENT NUMBER: 5543402	ISSUE DATE: 08/06/1996
SERIAL NUMBER: 08096044	FILING DATE: 07/22/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08097621	FILING DATE: 07/27/1993
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 08109716	FILING DATE: 08/20/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08109717	FILING DATE: 08/20/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08134871	FILING DATE: 10/12/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08164831	FILING DATE: 12/09/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08173490	FILING DATE: 12/27/1993
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08195018	FILING DATE: 02/14/1994
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08210535	FILING DATE: 03/18/1994
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08296855	FILING DATE: 08/26/1994
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08314432	FILING DATE: 09/28/1994
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08324497	FILING DATE: 10/18/1994
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08338535	FILING DATE: 03/10/1995
PATENT NUMBER: 5891625	ISSUE DATE: 04/06/1999
SERIAL NUMBER: 08374468	FILING DATE: 01/18/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08379436	FILING DATE: 02/08/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08395982	FILING DATE: 02/28/1995
PATENT NUMBER: 5885584	ISSUE DATE: 03/23/1999
SERIAL NUMBER: 08403943	FILING DATE: 03/14/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08411761	FILING DATE: 03/28/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08416422	FILING DATE: 04/04/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08431202	FILING DATE: 04/28/1995
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 08435808  
PATENT NUMBER: 5792606

FILING DATE: 05/05/1995  
ISSUE DATE: 08/11/1998

SERIAL NUMBER: 08436174  
PATENT NUMBER:

FILING DATE: 05/09/1995  
ISSUE DATE:

SERIAL NUMBER: 08448836  
PATENT NUMBER:

FILING DATE: 05/24/1995  
ISSUE DATE:

SERIAL NUMBER: 08452981  
PATENT NUMBER:

FILING DATE: 05/30/1995  
ISSUE DATE:

SERIAL NUMBER: 08454186  
PATENT NUMBER: 5919443

FILING DATE: 06/15/1995  
ISSUE DATE: 07/06/1999

SERIAL NUMBER: 08456515  
PATENT NUMBER:

FILING DATE: 06/01/1995  
ISSUE DATE:

SERIAL NUMBER: 08456566  
PATENT NUMBER: 5723122

FILING DATE: 06/01/1995  
ISSUE DATE: 03/03/1998

SERIAL NUMBER: 08458585  
PATENT NUMBER:

FILING DATE: 06/02/1995  
ISSUE DATE:

SERIAL NUMBER: 08466012  
PATENT NUMBER:

FILING DATE: 06/06/1995  
ISSUE DATE:

SERIAL NUMBER: 08466722  
PATENT NUMBER:

FILING DATE: 06/06/1995  
ISSUE DATE:

SERIAL NUMBER: 08467875  
PATENT NUMBER:

FILING DATE: 06/06/1995  
ISSUE DATE:

SERIAL NUMBER: 08487540  
PATENT NUMBER:

FILING DATE: 06/07/1995  
ISSUE DATE:

SERIAL NUMBER: 08499078  
PATENT NUMBER:

FILING DATE: 07/06/1995  
ISSUE DATE:

SERIAL NUMBER: 08502879  
PATENT NUMBER: 5862934

FILING DATE: 07/17/1995  
ISSUE DATE: 01/26/1999

SERIAL NUMBER: 08505290  
PATENT NUMBER:

FILING DATE: 02/29/1996  
ISSUE DATE:

SERIAL NUMBER: 08506268  
PATENT NUMBER:

FILING DATE: 07/24/1995  
ISSUE DATE:

SERIAL NUMBER: 08507381  
PATENT NUMBER:

FILING DATE: 02/06/1996  
ISSUE DATE:

SERIAL NUMBER: 08510363  
PATENT NUMBER:

FILING DATE: 08/02/1995  
ISSUE DATE:

SERIAL NUMBER: 08511759	FILING DATE: 08/07/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08513865	FILING DATE: 12/04/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08531838	FILING DATE: 09/21/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08532795	FILING DATE: 01/05/1996
PATENT NUMBER: 5916759	ISSUE DATE: 06/29/1999
SERIAL NUMBER: 08535072	FILING DATE: 11/03/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08550294	FILING DATE: 10/30/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08552795	FILING DATE: 11/03/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08554796	FILING DATE: 11/07/1995
PATENT NUMBER: 5888813	ISSUE DATE: 03/30/1999
SERIAL NUMBER: 08557157	FILING DATE: 07/28/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08561637	FILING DATE: 11/22/1995
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08577940	FILING DATE: 12/22/1995
PATENT NUMBER: 5879373	ISSUE DATE: 03/09/1999
SERIAL NUMBER: 08585593	FILING DATE: 01/16/1996
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08593579	FILING DATE: 01/30/1996
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08598993	FILING DATE: 02/09/1996
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08600396	FILING DATE: 02/12/1996
PATENT NUMBER: 5854048	ISSUE DATE: 12/29/1998
SERIAL NUMBER: 08602791	FILING DATE: 04/04/1996
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08604365	FILING DATE: 02/21/1996
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08615278	FILING DATE: 06/20/1996
PATENT NUMBER:	ISSUE DATE:



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS

FILING DATE: 04/01/1996

ISSUE DATE:

SERIAL NUMBER: 08617657  
PATENT NUMBER:

SERIAL NUMBER: 08617696  
PATENT NUMBER: 5910246

FILING DATE: 04/01/1996  
ISSUE DATE: 06/08/1999

SERIAL NUMBER: 08617698  
PATENT NUMBER:

FILING DATE: 04/01/1996  
ISSUE DATE:

SERIAL NUMBER: 08618429  
PATENT NUMBER:

FILING DATE: 03/18/1996  
ISSUE DATE:

SERIAL NUMBER: 08621751  
PATENT NUMBER: 5882644

FILING DATE: 03/22/1996  
ISSUE DATE: 03/16/1999

SERIAL NUMBER: 08622016  
PATENT NUMBER:

FILING DATE: 03/26/1996  
ISSUE DATE:

SERIAL NUMBER: 08628262  
PATENT NUMBER:

FILING DATE: 04/05/1996  
ISSUE DATE:

SERIAL NUMBER: 08638931  
PATENT NUMBER:

FILING DATE: 04/25/1996  
ISSUE DATE:

SERIAL NUMBER: 08646958  
PATENT NUMBER:

FILING DATE: 05/08/1996  
ISSUE DATE:

SERIAL NUMBER: 08653104  
PATENT NUMBER:

FILING DATE: 05/24/1996  
ISSUE DATE:

SERIAL NUMBER: 08655476  
PATENT NUMBER: 5888745

FILING DATE: 05/30/1996  
ISSUE DATE: 03/30/1999

SERIAL NUMBER: 08655777  
PATENT NUMBER:

FILING DATE: 05/31/1996  
ISSUE DATE:

SERIAL NUMBER: 08661038  
PATENT NUMBER: 5756711

FILING DATE: 06/10/1996  
ISSUE DATE: 05/26/1998

SERIAL NUMBER: 08663349  
PATENT NUMBER: 5858691

FILING DATE: 06/13/1996  
ISSUE DATE: 01/12/1999

SERIAL NUMBER: 08668059  
PATENT NUMBER: 5814522

FILING DATE: 06/20/1996  
ISSUE DATE: 09/29/1998

SERIAL NUMBER: 08681015  
PATENT NUMBER:

FILING DATE: 07/22/1996  
ISSUE DATE:

SERIAL NUMBER: 08682791  
PATENT NUMBER:

FILING DATE: 07/31/1996  
ISSUE DATE:

SERIAL NUMBER: 08700435  
PATENT NUMBER: 5863740

FILING DATE: 09/05/1996  
ISSUE DATE: 01/26/1999

SERIAL NUMBER: 08702703  
PATENT NUMBER:

FILING DATE: 09/13/1996  
ISSUE DATE:

SERIAL NUMBER: 08702972  
PATENT NUMBER:

FILING DATE: 08/26/1996  
ISSUE DATE:

SERIAL NUMBER: 08704682  
PATENT NUMBER:

FILING DATE: 09/19/1996  
ISSUE DATE:

SERIAL NUMBER: 08715890  
PATENT NUMBER: 5919622

FILING DATE: 09/19/1996  
ISSUE DATE: 07/06/1999

SERIAL NUMBER: 08730568  
PATENT NUMBER:

FILING DATE: 10/15/1996  
ISSUE DATE:

SERIAL NUMBER: 08733736  
PATENT NUMBER:

FILING DATE: 10/18/1996  
ISSUE DATE:

SERIAL NUMBER: 08734662  
PATENT NUMBER: 5869001

FILING DATE: 10/21/1996  
ISSUE DATE: 02/09/1999

SERIAL NUMBER: 08750776  
PATENT NUMBER:

FILING DATE: 12/19/1996  
ISSUE DATE:

SERIAL NUMBER: 08752629  
PATENT NUMBER: 5893364

FILING DATE: 11/19/1996  
ISSUE DATE: 04/13/1999

SERIAL NUMBER: 08753633  
PATENT NUMBER:

FILING DATE: 11/27/1996  
ISSUE DATE:

SERIAL NUMBER: 08757374  
PATENT NUMBER: 5895704

FILING DATE: 11/27/1996  
ISSUE DATE: 04/20/1999

SERIAL NUMBER: 08765452  
PATENT NUMBER:

FILING DATE: 01/16/1997  
ISSUE DATE:

SERIAL NUMBER: 08771256  
PATENT NUMBER:

FILING DATE: 12/20/1996  
ISSUE DATE:

SERIAL NUMBER: 08771781  
PATENT NUMBER:

FILING DATE: 12/20/1996  
ISSUE DATE:

SERIAL NUMBER: 08776188  
PATENT NUMBER:

FILING DATE: 01/24/1997  
ISSUE DATE:

SERIAL NUMBER: 08776189  
PATENT NUMBER:

FILING DATE: 01/24/1997  
ISSUE DATE:

SERIAL NUMBER: 08776190  
PATENT NUMBER:

FILING DATE: 01/24/1997  
ISSUE DATE:

SERIAL NUMBER: 08776379  
PATENT NUMBER:

FILING DATE: 01/30/1997  
ISSUE DATE:

SERIAL NUMBER: 08784584	FILING DATE: 01/23/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08793618	FILING DATE: 06/10/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08794528	FILING DATE: 02/03/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08805411	FILING DATE: 02/24/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08809408	FILING DATE: 04/23/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08809412	FILING DATE: 04/24/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08815221	FILING DATE: 03/12/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08817704	FILING DATE: 08/25/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08817925	FILING DATE: 07/08/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08822322	FILING DATE: 03/21/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08831399	FILING DATE: 04/01/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08836046	FILING DATE: 07/08/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08845926	FILING DATE: 04/28/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08849134	FILING DATE: 07/28/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08849214	FILING DATE: 06/09/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08852412	FILING DATE: 05/07/1997
PATENT NUMBER: 5932296	ISSUE DATE: 08/03/1999
SERIAL NUMBER: 08855321	FILING DATE: 05/13/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08857172	FILING DATE: 05/15/1997
PATENT NUMBER: 5919757	ISSUE DATE: 07/06/1999



SERIAL NUMBER: 08858054	FILING DATE: 05/16/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08860727	FILING DATE: 09/26/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08860731	FILING DATE: 10/16/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08860732	FILING DATE: 07/18/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08862062	FILING DATE: 05/22/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08865966	FILING DATE: 05/30/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08866043	FILING DATE: 05/30/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08868056	FILING DATE: 06/03/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08869736	FILING DATE: 06/05/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08869737	FILING DATE: 06/05/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08869738	FILING DATE: 06/05/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08870383	FILING DATE: 06/06/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08870385	FILING DATE: 06/06/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08875111	FILING DATE: 07/24/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08875349	FILING DATE: 07/28/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08875351	FILING DATE: 07/28/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08875928	FILING DATE: 08/13/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08875988	FILING DATE: 08/11/1997
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 08881509	FILING DATE: 06/24/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08892272	FILING DATE: 07/14/1997
PATENT NUMBER: 5891687	ISSUE DATE: 04/06/1999
SERIAL NUMBER: 08892704	FILING DATE: 07/15/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08893419	FILING DATE: 07/11/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08894709	FILING DATE: 09/08/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08894808	FILING DATE: 11/12/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08894813	FILING DATE: 12/07/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08895368	FILING DATE: 07/16/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08896330	FILING DATE: 07/17/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08897433	FILING DATE: 07/21/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08897513	FILING DATE: 07/21/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08897608	FILING DATE: 07/21/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08898085	FILING DATE: 07/22/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08924480	FILING DATE: 08/07/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08926452	FILING DATE: 09/10/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08929067	FILING DATE: 09/15/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08929068	FILING DATE: 09/15/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08932823	FILING DATE: 09/18/1997
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 08934018	FILING DATE: 09/19/1997
PATENT NUMBER: 5902878	ISSUE DATE: 05/11/1999
SERIAL NUMBER: 08934779	FILING DATE: 09/22/1997
PATENT NUMBER: 5863800	ISSUE DATE: 01/26/1999
SERIAL NUMBER: 08934784	FILING DATE: 09/22/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08940853	FILING DATE: 09/30/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08943814	FILING DATE: 10/03/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08945801	FILING DATE: 11/10/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08947065	FILING DATE: 10/08/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08947317	FILING DATE: 10/08/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08952823	FILING DATE: 12/03/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08952970	FILING DATE: 12/05/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08955150	FILING DATE: 10/21/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08957156	FILING DATE: 10/24/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08958870	FILING DATE: 10/27/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08960135	FILING DATE: 10/29/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08967242	FILING DATE: 11/05/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08970142	FILING DATE: 11/14/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08971961	FILING DATE: 11/17/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08973471	FILING DATE: 12/16/1997
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 08973544	FILING DATE: 12/18/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08973719	FILING DATE: 12/29/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08973857	FILING DATE: 12/29/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08974481	FILING DATE: 11/20/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08975894	FILING DATE: 11/21/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08987421	FILING DATE: 12/09/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08991183	FILING DATE: 12/16/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08991184	FILING DATE: 12/16/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08991347	FILING DATE: 12/16/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08992112	FILING DATE: 12/17/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08993092	FILING DATE: 12/18/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08993140	FILING DATE: 12/18/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08993303	FILING DATE: 12/18/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 08996150	FILING DATE: 12/22/1997
PATENT NUMBER: 5906947	ISSUE DATE: 05/25/1999
SERIAL NUMBER: 08998479	FILING DATE: 12/29/1997
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09000492	FILING DATE: 02/09/1998
PATENT NUMBER: 5888967	ISSUE DATE: 03/30/1999
SERIAL NUMBER: 09009044	FILING DATE: 01/20/1998
PATENT NUMBER: 5908625	ISSUE DATE: 06/01/1999
SERIAL NUMBER: 09009933	FILING DATE: 01/21/1998
PATENT NUMBER:	ISSUE DATE:



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER

**FILING DATE: 02/20/1998**  
**ISSUE DATE: 02/20/1998**

SERIAL NUMBER: 09011746  
PATENT NUMBER:

SERIAL NUMBER: 09013871  
PATENT NUMBER:

FILING DATE: 01/27/1998  
ISSUE DATE:

SERIAL NUMBER: 09020538  
PATENT NUMBER:

FILING DATE: 02/09/1998  
ISSUE DATE:

SERIAL NUMBER: 09020544  
PATENT NUMBER:

FILING DATE: 02/09/1998  
ISSUE DATE:

SERIAL NUMBER: 09021178  
PATENT NUMBER:

FILING DATE: 02/10/1998  
ISSUE DATE:

SERIAL NUMBER: 09027777  
PATENT NUMBER:

FILING DATE: 02/23/1998  
ISSUE DATE:

SERIAL NUMBER: 09027894  
PATENT NUMBER:

FILING DATE: 02/23/1998  
ISSUE DATE:

SERIAL NUMBER: 09029859  
PATENT NUMBER:

FILING DATE: 03/16/1998  
ISSUE DATE:

SERIAL NUMBER: 09043128  
PATENT NUMBER:

FILING DATE: 04/16/1998  
ISSUE DATE:

SERIAL NUMBER: 09043909  
PATENT NUMBER:

FILING DATE: 03/31/1998  
ISSUE DATE:

SERIAL NUMBER: 09047347  
PATENT NUMBER:

FILING DATE: 03/25/1998  
ISSUE DATE:

SERIAL NUMBER: 09051079  
PATENT NUMBER:

FILING DATE: 09/10/1998  
ISSUE DATE:

SERIAL NUMBER: 09051088  
PATENT NUMBER:

FILING DATE: 06/22/1998  
ISSUE DATE:

SERIAL NUMBER: 09051474  
PATENT NUMBER:

FILING DATE: 06/22/1998  
ISSUE DATE:

SERIAL NUMBER: 09051487  
PATENT NUMBER:

FILING DATE: 04/20/1998  
ISSUE DATE:

SERIAL NUMBER: 09051920  
PATENT NUMBER: 5907047

FILING DATE: 07/23/1998  
ISSUE DATE: 05/25/1999

SERIAL NUMBER: 09058868  
PATENT NUMBER:

FILING DATE: 04/13/1998  
ISSUE DATE:

SERIAL NUMBER: 09059219  
PATENT NUMBER:

FILING DATE: 04/13/1998  
ISSUE DATE:

SERIAL NUMBER: 09061960	FILING DATE: 04/17/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09065103	FILING DATE: 05/22/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09066944	FILING DATE: 04/28/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09068460	FILING DATE: 06/17/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09068738	FILING DATE: 06/25/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09074533	FILING DATE: 05/07/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09077312	FILING DATE: 08/06/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09077891	FILING DATE: 08/27/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09077894	FILING DATE: 08/26/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09079494	FILING DATE: 05/15/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09083123	FILING DATE: 05/22/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09086910	FILING DATE: 05/29/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09087514	FILING DATE: 05/28/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09089066	FILING DATE: 06/02/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09089067	FILING DATE: 06/02/1998
PATENT NUMBER: 5914336	ISSUE DATE: 06/22/1999
<hr/>	
SERIAL NUMBER: 09091317	FILING DATE:
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09091352	FILING DATE: 06/18/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09091401	FILING DATE: 11/12/1998
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 09091405  
PATENT NUMBER:

FILING DATE: 08/27/1998  
ISSUE DATE:

SERIAL NUMBER: 09091406  
PATENT NUMBER:

FILING DATE: 08/25/1998  
ISSUE DATE:

SERIAL NUMBER: 09094577  
PATENT NUMBER:

FILING DATE: 06/12/1998  
ISSUE DATE:

SERIAL NUMBER: 09101373  
PATENT NUMBER:

FILING DATE: 07/08/1998  
ISSUE DATE:

SERIAL NUMBER: 09101772  
PATENT NUMBER:

FILING DATE: 07/21/1998  
ISSUE DATE:

SERIAL NUMBER: 09113692  
PATENT NUMBER:

FILING DATE: 07/10/1998  
ISSUE DATE:

SERIAL NUMBER: 09115906  
PATENT NUMBER:

FILING DATE: 07/15/1998  
ISSUE DATE:

SERIAL NUMBER: 09117170  
PATENT NUMBER: 59

FILING DATE: 07/27/1998  
ISSUE DATE:

SERIAL NUMBER: 09117527  
PATENT NUMBER:

FILING DATE: 01/25/1999  
ISSUE DATE:

SERIAL NUMBER: 09117537  
PATENT NUMBER:

FILING DATE: 08/04/1998  
ISSUE DATE:

SERIAL NUMBER: 09120230  
PATENT NUMBER:

FILING DATE: 07/22/1998  
ISSUE DATE:

SERIAL NUMBER: 09124410  
PATENT NUMBER:

FILING DATE: 07/29/1998  
ISSUE DATE:

SERIAL NUMBER: 09124985  
PATENT NUMBER:

FILING DATE: 07/30/1998  
ISSUE DATE:

SERIAL NUMBER: 09125781  
PATENT NUMBER:

FILING DATE: 08/26/1998  
ISSUE DATE:

SERIAL NUMBER: 09125790  
PATENT NUMBER:

FILING DATE: 11/12/1998  
ISSUE DATE:

SERIAL NUMBER: 09127074  
PATENT NUMBER:

FILING DATE: 07/31/1998  
ISSUE DATE:

SERIAL NUMBER: 09136959  
PATENT NUMBER:

FILING DATE: 08/20/1998  
ISSUE DATE:

SERIAL NUMBER: 09137822  
PATENT NUMBER:

FILING DATE: 08/21/1998  
ISSUE DATE:

SERIAL NUMBER: 09141950	FILING DATE: 08/28/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09142059	FILING DATE: 02/19/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09142060	FILING DATE: 09/02/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09142169	FILING DATE: 09/22/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09142261	FILING DATE: 12/15/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147018	FILING DATE: 09/11/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147081	FILING DATE: 10/01/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147137	FILING DATE: 04/05/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147149	FILING DATE: 11/25/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147160	FILING DATE: 01/25/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147161	FILING DATE: 02/19/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147288	FILING DATE: 11/20/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147345	FILING DATE: 06/04/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09147672	FILING DATE: 04/29/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09157370	FILING DATE: 09/21/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09171962	FILING DATE: 02/25/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09172877	FILING DATE: 10/15/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09175457	FILING DATE: 10/20/1998
PATENT NUMBER:	ISSUE DATE:



SERIAL NUMBER: 09178424	FILING DATE: 10/26/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09181647	FILING DATE: 10/29/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09184043	FILING DATE: 11/02/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09184282	FILING DATE: 11/02/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09192430	FILING DATE: 11/16/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09197470	FILING DATE: 11/23/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09202101	FILING DATE: 04/12/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09203500	FILING DATE: 12/01/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09204497	FILING DATE: 12/04/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09209484	FILING DATE: 12/11/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09210040	FILING DATE: 12/11/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09210329	FILING DATE: 12/11/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09215979	FILING DATE: 12/18/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09216847	FILING DATE: 12/21/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09224799	FILING DATE: 12/31/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09236128	FILING DATE: 01/22/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09242536	FILING DATE: 03/17/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09243127	FILING DATE: 02/03/1999
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 09737800  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09843209  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09894796  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09923643  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09930247  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09930601  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09952969  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09952979  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09963563  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09973877  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SERIAL NUMBER: 09981824  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

**ATTACHMENT – Patent Application Serial Number**

06145659

06328313

06380309

06619017

07064104

07078271

07094038

07137182

07150109

07201523

07238930

07257724

07293463

07299594

07300357

07376504

07380323

07435623

07456789

07467104

07487460

07492145

07496100

07497275

07500596

07513747

07523818

07718798

07725943

07743496

**ATTACHMENT – Patient Application Serial Number**

07771097  
07772026  
07782672  
07820701  
07835755  
07873963  
07907733  
07908513  
07914285  
07927871  
07930445  
07977398  
07988945  
08006194  
08007549  
08009423  
08013823  
08014113  
08018355  
08028650  
08046858  
08047997  
08062234  
08071593  
08073985  
08095478  
08096044  
08097621  
08109716  
08109717

**ATTACHMENT – Patent Application Serial Number**

08134871  
08164831  
08173490  
08195018  
08210535  
08296855  
08314432  
08324497  
08338535  
08374468  
08379436  
08395982  
08403943  
08411761  
08416422  
08431202  
08435808  
08436174  
08448836  
08452981  
08454186  
08456515  
08456566  
08458585  
08466012  
08466722  
08467875  
08487540  
08499078  
08502879

**ATTACHMENT – Patent Application Serial Number**

08505290

08506268

08507381

08510363

08511759

08513865

08531838

08532795

08535072

08550294

08552795

08554796

08557157

08561637

08577940

08585593

08593579

08598993

08600396

08602791

08604365

08615278

08617657

08617696

08617698

08618429

08621751

08622016

08628262

08638931

**ATTACHMENT – Patent Application Serial Number**

08646958

08653104

08655476

08655777

08661038

08663349

08668059

08681015

08682791

08700435

08702703

08702972

08704682

08715890

08730568

08733736

08734662

08737343

08750776

08752629

08753633

08757374

08765452

08771256

08771781

08776188

08776189

08776190

08776379

08784584

**ATTACHMENT – Patent Application Serial Number**

08793618

08794528

08805411

08809408

08809412

08815221

08817704

08817925

08822322

08831399

08836046

08845926

08849134

08849214

08852412

08855321

08857172

08858054

08860727

08860731

08860732

08862062

08865966

08866043

08868056

08869736

08869737

08869738

08870383

08870385



**ATTACHMENT – Patent Application Serial Number.**

08875111

08875349

08875351

08875928

08875988

08881509

08892272

08892704

08893419

08894709

08894808

08894813

08895368

08896330

08897433

08897513

08897608

08898085

08924480

08926452

08929067

08929068

08932823

08934018

08934779

08934784

08940853

08943814

08945801

08947065

**ATTACHMENT – Patent Application Serial Number**

08947317

08952823

08952970

08955150

08957156

08958870

08960135

08967242

08970142

08971961

08973471

08973544

08973719

08973857

08974481

08975894

08987421

08991183

08991184

08991347

08992112

08993092

08993140

08993303

08996150

---

08998479

09000492

09009044

09009933

09011746

**ATTACHMENT – Patient Application Serial Number**

09013871

09020538

09020544

09021178

09027777

09027894

09029859

09043128

09043909

09047347

09051079

09051088

09051474

09051487

09051920

09058868

09059219

09061960

09065103

09066944

09068460

09068738

09074533

09077312

09077891

---

09077894

09079494

09083123

09086910

09087514

**ATTACHMENT – Patent Application Serial Numbers**

09089066

09089067

09091317

09091352

09091401

09091405

09091406

09094577

09101373

09101772

09113692

09115906

09117170

09117527

09117537

09120230

09124410

09124985

09125781

09125790

09127074

09136959

09137822

09141950

09142059

09142060

09142169

09142261

09147018

09147081

**ATTACHMENT – Patent Application Serial Number**

09147137

09147149

09147160

09147161

09147288

09147345

09147672

09157370

09171962

09172877

09175457

09178424

09181647

09184043

09184282

09192430

09197470

09202101

09203500

09204497

09209484

09210040

09210329

09215979

09216847

09224799

09236128

09242536

09243127

09737800

**ATTACHMENT – Part Application Serial Number**

09843209

09894796

09923643

09930247

09930601

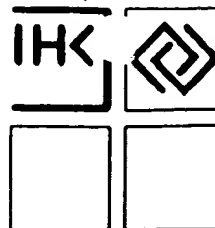
09952969

09952979

09963563

09973877

09981824



Industrie- und  
Handelskammer  
Rhein-Neckar

Sitz der Kammer:  
L 1,2, 68161 Mannheim  
Tel.: (06 21) 17 09-0  
Fax: (06 21) 17 09-100

Zur Vorlage bei den Behörden  
in

For Presentation to authorities  
in

### BESCHEINIGUNG

Wir bestätigen hiermit, daß die Firma  
BOEHRINGER MANNHEIM GMBH am  
4. Januar 1999 auf den Namen ROCHE  
DIAGNOSTICS GMBH umgeschrieben  
wurde.

Wir bestätigen weiterhin, daß die Firma  
ROCHE DIAGNOSTICS GMBH, Sand-  
hofer Strasse 116, D-68305 Mannheim,  
Bundesrepublik Deutschland, eine Ge-  
sellschaft mit beschränkter Haftung und  
an obigem Geschäftssitz registriert ist.  
Offiziell eingetragener Geschäftszweck  
sind Herstellung und Vertrieb von chemi-  
schen und pharmazeutischen Produkten  
sowie Reagenzien und Laborgeräten für  
den klinisch-chemischen und biochemi-  
schen Bereich sowie der Betrieb aller  
Geschäfte, die geeignet sind, diesen  
Gesellschaftszweck zu fördern, ein-  
schließlich der Haltung von Beteiligun-  
gen an anderen Unternehmen.

### CERTIFICATE

This is to certify that on January 4, 1999  
the company name of BOEHRINGER  
MANNHEIM GMBH was changed into  
ROCHE DIAGNOSTICS GMBH.

Furthermore, we certify that the firm  
ROCHE DIAGNOSTICS GMBH, Sand-  
hofer Strasse 116, D-68305 Mannheim,  
Federal Republic of Germany, is a Com-  
pany of limited liability, legally registered  
at the above address, whose activities  
are officially registered as follows: Pro-  
duction and distribution of chemical and  
pharmaceutical products as well as rea-  
gents and laboratory devices in the clini-  
cal-chemical and biochemical field as  
well as operation of all business suitable  
to further this purpose of the company,  
including shareholders in other enter-  
prises.

Mannheim, den 1. März 1999

Mannheim, this March 1, 1999



Industrie- und Handelskammer Rhein-Neckar  
in Mannheim  
Die Geschäftsführung:  
i.A.

  
(Thiele)

Hauptgeschäftsstelle:  
Hans-Böckler-Straße 4  
69115 Heidelberg  
Tel.: (062 21) 9017-0  
Fax: (062 21) 9017-17

Geschäftsstelle:  
HauptstraÙ 9  
74821 Mosbach  
Tel.: (062 61) 9 24 90  
Fax: (062 61) 92 49-28

Konten:  
Landeszentralbank  
Mannheim  
Kto. Nr. 67 001 901  
BLZ 670 000 00

Postgiro:  
Ludwigshafen  
Kto. Nr. 20 25-675  
BLZ 545 100 67

06-07-1999

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
Copyright 1996-97 LegalStar  
P08A/REV02

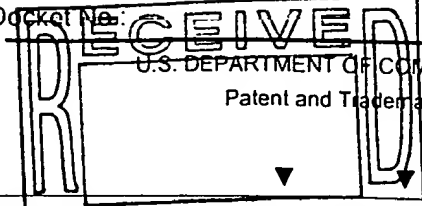


101056474

SHEE

-Y

Docket No.:



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

BOEHRINGER MANNHEIM GMBH

5.27.99

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: ROCHE DIAGNOSTICS GMBH

Address: Sandhofer Strasse 116

D-68305 Mannheim

City: State/Prov.:

Country: Germany ZIP:

## 3. Nature of conveyance:

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☒ Change of Name  
☐ Other

Execution Date: January 4, 1999

Additional name(s) & address(es) ☐ Yes ☒ No

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No. Filing date

B. Patent No.(s)

See ATTACHMENT

Additional numbers

☒ Yes ☐ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: D. Michael Young

Registration No.

Address: Roche Diagnostics Corporation

9115 Hague Road

Bldg. D

City: Indianapolis State/Prov.: IN

Country: ZIP: 46250

## 6. Total number of applications and patents involved: 340

7. Total fee (37 CFR 3.41): \$ 13,600.00

- ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

50-0877

36/03/1999 JSHABZ77 00000144 500877 05145659

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

D. Michael Young, Reg. No. 33,819

May 28, 1999

Name of Person Signing

Signature

Date

16

Total number of pages including cover sheet, attachments, and



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents  
Washington, DC 20231



**GENERAL APPOINTMENT OF REPRESENTATIVE FOR  
U.S. PATENT AND TRADEMARK OFFICE MATTERS**

The undersigned applicant or assignee hereby appoints D. Michael Young, Reg. No. 33,819, Richard T. Knauer, Reg. No. 35,575, Brent A. Harris, Reg. No. 39,215, Kenneth J. Waite, Reg. No. 45,189, and Marilyn L. Amick, Reg. No. 30,444 all of Roche Diagnostics Corporation, 9115 Hague Road, P.O. Box 50457, Indianapolis, Indiana 46250, Telephone No. (317) 845-2000, and Jill Lynn Woodburn, Reg. No. 39,874 of The Law Office of Jill L. Woodburn, L.L.C., 6633 Old Stonehouse Drive, Newburgh, Indiana 47630-1785, Telephone No. (812) 842-2660:

to prosecute and transact all business on its behalf before the United States Patent and Trademark Office in connection with any U.S. patent assigned to it and any U.S. patent application filed by it or on its behalf and to receive payments on its behalf.

Signed this 18th day of September, 2000 at Mannheim, Germany.

Roche Diagnostics GmbH

  
Signature

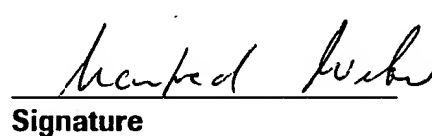
Dr. Michael Jung

Print Name

Director

Position or Title

Roche Diagnostics GmbH

  
Signature

Dr. Manfred Weber

Print Name

Senior Director

Position or Title